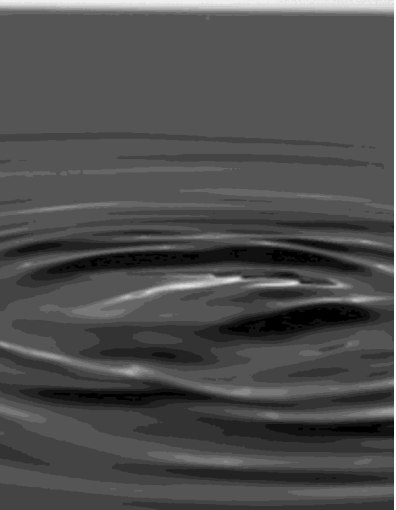
SONY

3-075-802-**31**(1)

CD/DVD Player

Operating Instructions



DVP-NS905V

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.
Power cord (mains lead) must only be changed at a qualified service shop.

CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this CD/DVD player is harmful to eyes, do not attempt to disassemble the cabinet.
Refer servicing to qualified personnel only.

Precautions

Safety

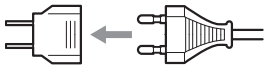
- This unit operates on 220 - 240 V AC, 50/60 Hz. Check that the unit's operating voltage is identical with your local power supply.
- To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

Installing

- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and discs away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not place heavy objects on the unit.

For the model supplied with the AC plug adaptor

If the AC plug of your unit does not fit into the wall outlet, attach the supplied AC plug adaptor.



Welcome!

Thank you for purchasing this Sony CD/DVD Player. Before operating this player, please read this manual thoroughly and retain it for future reference.

Precautions

On safety

- Caution – The use of optical instruments with this product will increase eye hazard.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

On power sources

- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.

On placement

- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.
- Do not place the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.

On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player turned on for about half an hour until the moisture evaporates.
- When you move the player, take out any discs. If you don't, the disc may be damaged.

On adjusting volume

Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is played.

On cleaning

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

On cleaning discs

Do not use a commercially available cleaning disc. It may cause a malfunction.

IMPORTANT NOTICE

Caution: This player is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time you risk permanent damage to your television screen. Projection televisions are especially susceptible to this.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

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About This Manual

- Instructions in this manual describe the controls on the remote. You can also use the controls on the player if they have the same or similar names as those on the remote.
- "DVD" may be used as a general term for DVD VIDEOs, DVD-Rs, and DVD-RWs.
- The meanings of the icons used in this manual are described below:

Icon	Meaning
DVD-V	Functions available for DVD VIDEOs or DVD-Rs/DVD-RWs in video mode
DVD-RW	Functions available for DVD-RWs in VR (Video Recording) mode
VCD	Functions available for VIDEO CDs or CD-Rs/CD-RWs in video CD format
SA-CD	Functions available for Super Audio CDs
CD	Functions available for music CDs or CD-Rs/CD-RWs in music CD format
DATA CD	Functions available for DATA CDs (CD-ROMs/CD-Rs/CD-RWs containing MP3* audio tracks)

* MP3 (MPEG 1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses audio data.

This Player Can Play the Following Discs

Format of discs	
DVD VIDEO (page 83)	DVD VIDEO
DVD-RW (page 83)	DVD RW
Super Audio CD (page 84)	SUPER AUDIO CD
VIDEO CD	COMPACT disc DIGITAL VIDEO
Music CD	COMPACT disc DIGITAL AUDIO

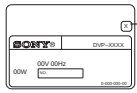
"DVD VIDEO" and "DVD-RW" are trademarks.

Region code

Your player has a region code printed on the back of the unit and only will play DVD VIDEO discs (playback only) labelled with identical region codes. This system is used to protect copyrights.

DVD VIDEOs labelled ALL will also play on this player.

If you try to play any other DVD VIDEO, the message "Playback prohibited by area limitations." will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be labelled even though playing the DVD VIDEO is prohibited by area restrictions.



Example of discs that the player cannot play

The player cannot play the following discs:

- All CD-ROMs (including PHOTO CDs)/ CD-Rs/CD-RWs other than those recorded in the following formats:
  –music CD format
  –video CD format
  –MP3 format that conforms to ISO9660* Level 1/Level 2, or its extended format, Joliet
- Data part of CD-Extras
- DVD-ROMs
- DVD Audio discs

* A logical format of files and folders on CD-ROMs defined by ISO (International Standard Organization)

Also, the player cannot play the following discs:

- A DVD VIDEO with a different region code.
- A disc that has a non-standard shape (e.g., card, heart).
- A disc with paper or stickers on it.
- A disc that has the adhesive of cellophane tape or a sticker still left on it.

Note

Some DVD-Rs, DVD-RWs, CD-Rs, or CD-RWs cannot be played on this player due to the recording quality or physical condition of the disc, or the characteristics of the recording device.
The disc will not play if it has not been correctly finalized. Also, images in DVD-RW discs with CPRM* protection may not be played if they contain a copy protection signal. “Copyright lock” appears on the screen. For more information, see the operating instructions for the recording device.
Note that discs created in the Packet Write format cannot be played.

* CPRM (Content Protection for Recordable Media) is a coding technology that protects the copyright of images.

Note on playback operations of DVDs and VIDEO CDs

Some playback operations of DVDs and VIDEO CDs may be intentionally set by software producers. Since this player plays DVDs and VIDEO CDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs or VIDEO CDs.

Copyrights

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents, other intellectual property rights owned by Macrovision Corporation, and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Notes About the Discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.

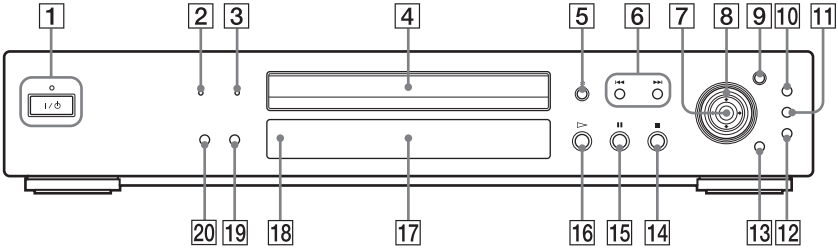
- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature may rise considerably inside the car.
- After playing, store the disc in its case.
- Clean the disc with a cleaning cloth. Wipe the disc from the centre out.

- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.

Index to Parts and Controls

For more information, refer to the pages indicated in parentheses.

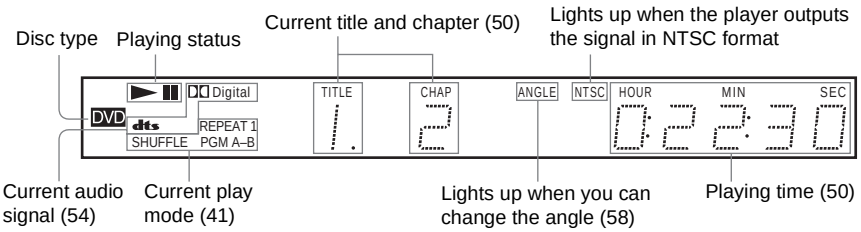
Front panel



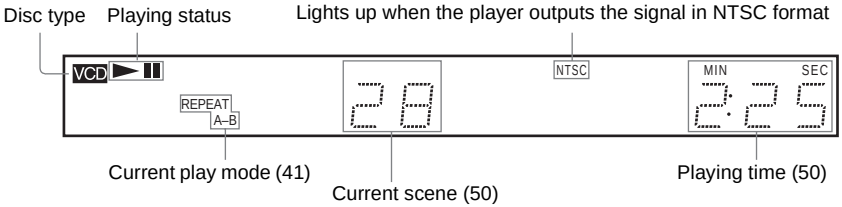
1 I/⏻ (on/standby) button/indicator (31)
Lights up in green when the power is on and lights up in red when the player is in standby mode.
2 SUPER AUDIO CD indicator
Lights up when playing a Super Audio CD.
3 MULTI CHANNEL indicator
Lights up when:
– playing a disc that contains multiple audio signal channels
– the disc is not inserted
4 Disc tray (31)
5 ⏏ (open/close) button (31)
6 ⏮/⏭ (previous/next) buttons (32)
7 ←/↑/↓/→ ENTER buttons (36)
8 Click shuttle (34)
9 JOG button/indicator (34)
10 TOP MENU button (36)
11 MENU button (36) (39)
12 ↩ RETURN button (32)
13 DISPLAY button (12)
14 ■ (stop) button (32)
15 ⏸ (pause) button (32)
16 ▷ (play) button (31)
17 Front panel display (9)
18 (remote sensor) (15)
19 SURROUND button (55)
20 PICTURE MODE button (60)

Front panel display

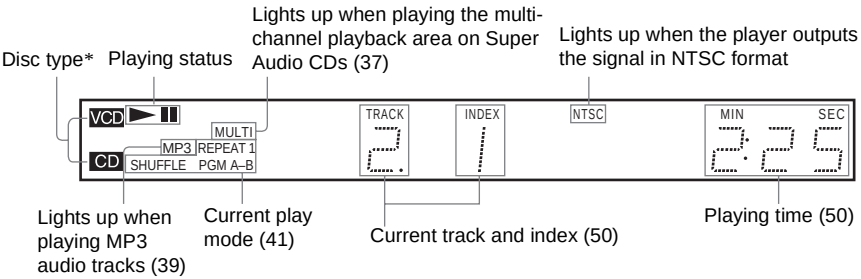
When playing back a DVD VIDEO/DVD-RW



When playing back a VIDEO CD with Playback Control (PBC) (38)



When playing back a Super Audio CD, CD, DATA CD (MP3 audio), or VIDEO CD (without PBC)



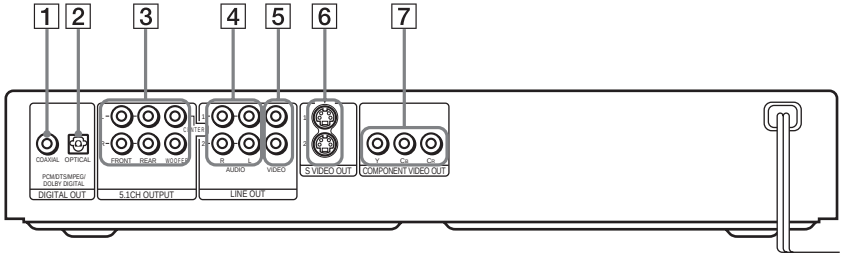
* When playing the HD layer of Super Audio CD discs, the disc type is not displayed.

Hint

You can turn off the front panel display by setting "DIMMER" in "CUSTOM SETUP" to "OFF" (page 73).

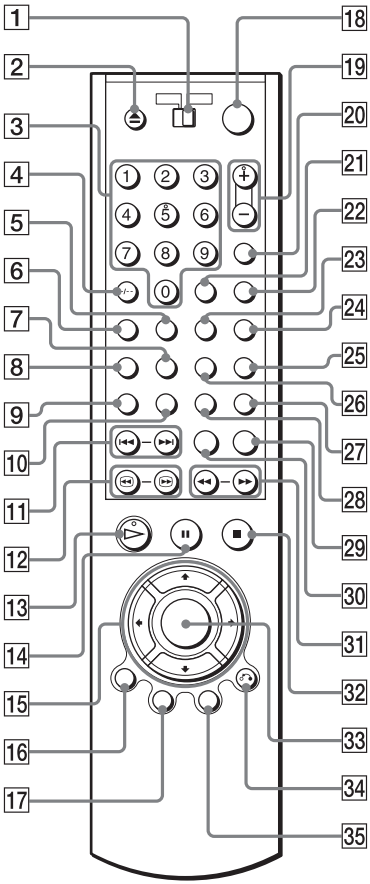
➡*continued*

Rear panel



1 DIGITAL OUT (COAXIAL) jack (23) (24) (25)
2 DIGITAL OUT (OPTICAL) jack (23) (24) (25)
3 5.1CH OUTPUT jacks (25)
4 LINE OUT L/R (AUDIO) 1/2 jacks (22) (23) (24)
5 LINE OUT (VIDEO) 1/2 jacks (18)
6 S VIDEO OUT 1/2 jacks (18)
7 COMPONENT VIDEO OUT jacks (18)

Remote



1 TV/DVD switch (68)
2 ⏏ OPEN/CLOSE button (32)
3 Number buttons (36)
The number 5 button has a tactile dot.*
4 CLEAR /-/-- (ten's digit) button (41) (68)
5 SACD (Super Audio CD)/CD button (38)
6 SACD (Super Audio CD) MULTI/2CH button (37)
7 SUBTITLE button (58)
8 AUDIO button (53)
9 TIME/TEXT button (49)
10 REPEAT button (44)
11 ⏮/⏭ PREV(previous)/NEXT buttons (32)
12 ◀◀/▶▶ SEARCH/STEP buttons (33)
13 ▷ PLAY button (31)
The ▷ button has a tactile dot.*
14 ❚❚ PAUSE button (32)
15 ←/↑/↓/→ buttons (36)
16 DISPLAY button (12)
17 TOP MENU button (36)
18 I/⏻ (on/standby) button (31)
19 VOL (volume) +/– buttons (68)
The + button has a tactile dot.*
20 TV/VIDEO button (68)
21 ENTER button (performs the same function as 33)
22 WIDE MODE button (68)
23 SHUFFLE button (43)
24 A-B button (44)
25 PICTURE NAVI (navigation) button (47)
26 ANGLE button (58)
27 PICTURE MODE button (60)
28 SUR (surround) button (55)
29 REPLAY button (32)
30 SEARCH MODE button (46)
31 ◀❙ ◀◀/▶▶ ❙▶ SCAN/SLOW buttons (33)
32 ■ STOP button (32)
33 ENTER button (27)
34 ↩ RETURN button (32)
35 MENU button (36) (39)

* Use the tactile dot as a reference when operating the player.

Guide to the Control Menu Display

Use the Control Menu to select a function and to view related information. Press DISPLAY repeatedly to turn on or change the Control Menu display as follows:

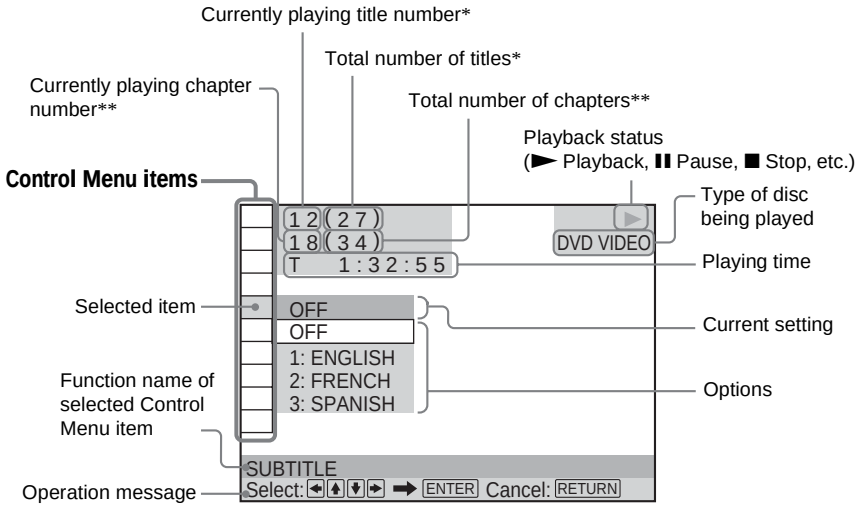
Control Menu display 1
↓
Control Menu display 2 (DVD/VIDEO CD only)
↓
ADVANCED display (DVD only. See page 51.)
↓
Control Menu display off

Hint
You can skip the ADVANCED display by setting "OFF" under "ADVANCED" in the Control Menu (page 51).

Control Menu Display

The Control Menu display 1 and 2 will show different items depending on the disc type. For details about each item, please refer to the pages in the parentheses.

Example: Control Menu display 1 when playing a DVD VIDEO.



* Displays the scene number for VIDEO CDs (PBC is on), track number for VIDEO CDs/ Super Audio CDs/CDs, album number for DATA CDs.

** Displays the index number for VIDEO CDs/ Super Audio CDs/CDs, MP3 audio track number for DATA CDs.

List of Control Menu items

Item	Item Name, Function, Relevant Disc Type
	TITLE (page 46)/SCENE (page 46)/TRACK (page 46) Selects the title, scene, or track to be played. DVD-V DVD-RW VCD
	CHAPTER (page 46)/INDEX (page 46) Selects the chapter or index to be played. DVD-V DVD-RW VCD
	ALBUM (page 39) Selects the album to be played. DATA CD
	TRACK (page 46) Selects the track to be played. SA-CD CD DATA CD
	INDEX (page 46) Selects the index to be played. SA-CD CD
	ORIGINAL/PLAY LIST (page 36) Selects the type of titles (DVD-RW) to be played, the ORIGINAL one, or an edited PLAY LIST. DVD-RW
	TIME/TEXT (page 46) Checks the elapsed time and the remaining playback time. Input the time code for picture and music searching. Displays the DVD/Super Audio CD/CD text or the DATA CD's track name. DVD-V DVD-RW VCD SA-CD CD DATA CD
	MULTI/2CH (page 37) Selects the playback area on Super Audio CDs when available. SA-CD
	AUDIO (page 53) Changes the audio setting. DVD-V DVD-RW VCD CD DATA CD
	SUBTITLE (page 58) Displays the subtitles. Changes the subtitle language. DVD-V DVD-RW
	ANGLE (page 58) Changes the angle. DVD-V
	SURROUND (page 55) Selects the surround functions. DVD-V DVD-RW VCD CD DATA CD
	ADVANCED (page 51) Displays the information (bit rate or layer) of the disc currently playing. DVD-V DVD-RW
	PARENTAL CONTROL (page 63) Sets to prohibit playback on this player. DVD-V VCD SA-CD CD

➡*continued*

	SETUP (page 70) QUICK Setup (page 27) Use Quick Setup to choose the desired language of the on-screen display,the aspect ratio of the TV, the audio output signal, and the size of the speakers you are connecting. CUSTOM Setup In addition to the Quick Setup setting, you can adjust various other settings. RESET Returns the settings in “SETUP” to the default setting. DVD-V DVD-RW VCD SA-CD CD DATA CD
	PROGRAM (page 41) Selects the title, chapter, or track to play in the order you want. DVD-V VCD SA-CD CD
	SHUFFLE (page 43) Plays the title, chapter, or track in random order. DVD-V VCD SA-CD CD
	REPEAT (page 44) Plays the entire disc (all titles/all tracks/all albums) repeatedly or one title/chapter/track/album repeatedly. DVD-V DVD-RW VCD SA-CD CD DATA CD
	A-B REPEAT (page 44) Specifies the parts you want to play repeatedly. DVD-V DVD-RW VCD SA-CD CD
	BNR (page 59) Adjusts the picture quality by reducing the “block noise” or mosaic like patterns that appear on your TV screen. DVD-V DVD-RW VCD
	CUSTOM PICTURE MODE (page 60) Adjusts the video signal from the player. You can select the picture quality that best suits the programme you are watching. DVD-V DVD-RW VCD
	DIGITAL VIDEO ENHANCER (page 62) Exaggerates the outline of the image to produce a sharper picture. DVD-V DVD-RW VCD
	PICTURE NAVIGATION (page 47) Divides the screen into 9 subscreens to help you find the scene you want quickly. DVD-V VCD

Hint

The Control Menu icon indicator lights up in green when you select any item except “OFF.” (“SURROUND,” “PROGRAM,” “SHUFFLE,” “REPEAT,” “A-B REPEAT,” “BNR,” “DIGITAL VIDEO ENHANCER” only). The “ANGLE” indicator lights up in green only when the angles can be changed. The “CUSTOM PICTURE MODE” indicator lights up in green when any setting other than “STANDARD” is selected.

Quick Overview

A quick overview presented in this guide will give you enough information to start using the player for your enjoyment. To use the surround sound features of this player, refer to “Hookups” on page 18.

Notes

- You cannot connect this player to a TV that does not have a video input jack.
- Be sure to disconnect the power cord (mains lead) of each component before connecting.

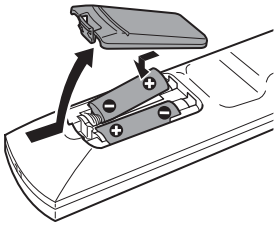
Step 1: Unpacking

Check that you have the following items:

- Audio/video cord (pinplug × 3 ⟷ pinplug × 3) (1)
- Remote commander (remote) (1)
- Size R6 (AA) batteries (2)
- A plug adaptor is included with some models.

Step 2: Inserting Batteries Into the Remote

You can control the player using the supplied remote. Insert two size R6 (AA) batteries by matching the ⊕ and ⊖ ends on the batteries to the markings inside the compartment. When using the remote, point it at the remote sensor ▣ on the player.

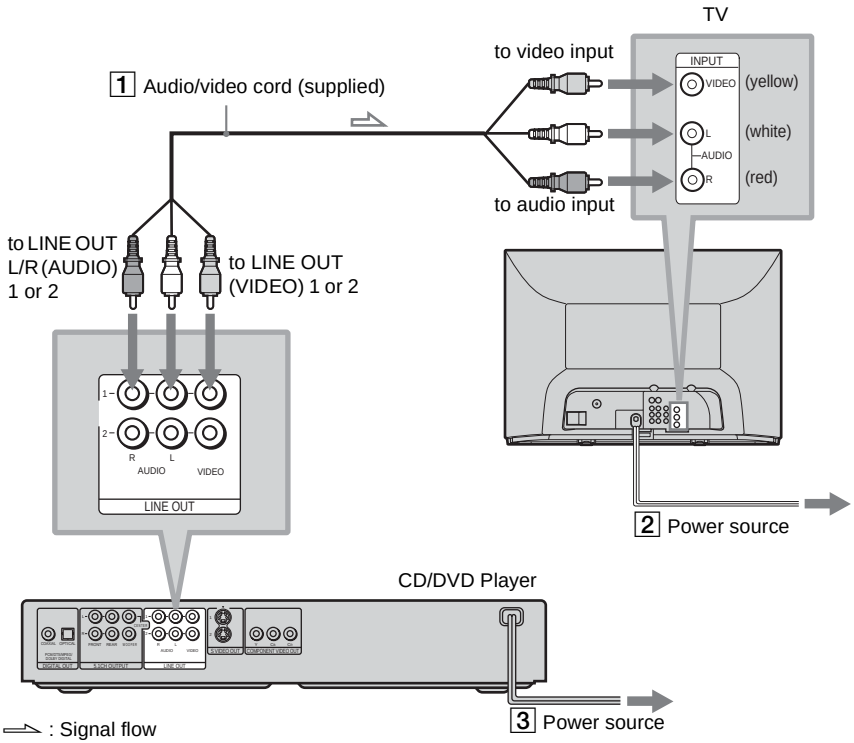


Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct light from the sun or a lighting apparatus. Doing so may cause a malfunction.
- If you do not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Step 3: TV Hookups

Connect the supplied audio/video cord and power cord (mains lead) in the order (1~3) shown below. Be sure to connect the power cord (mains lead) last.



When connecting to a standard 4:3 screen TV

Depending on the disc, the image may not fit your TV screen. If you want to change the aspect ratio, refer to page 72.

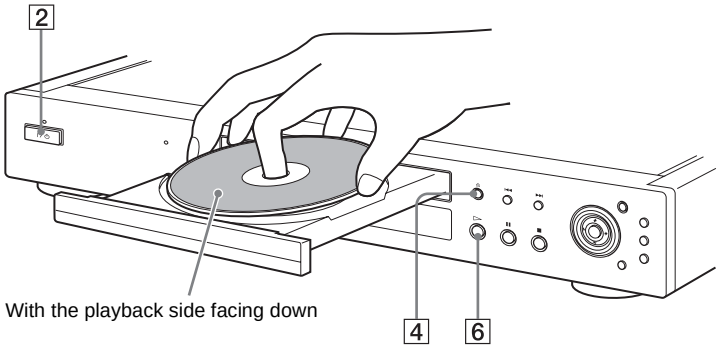
To change the colour system

The colour system of the player is set to NTSC or PAL. If the on-screen display of the player does not appear on the TV, change the colour system of the player (PAL or NTSC) so that a picture appears on your TV. To change the colour system, hold ⏻ down for a few seconds while pressing ⏸ on the player.

Hints

- To check the current setting of the player's colour system, press ⏻ on the player or remote. The power indicator lights up in green. When "NTSC" appears on the front panel display, the colour system of the player is set to NTSC. When "NTSC" does not appear, the colour system is set to PAL.
- When connecting to a monaural TV, use a stereo-mono conversion cord (not supplied). Connect the LINE OUT (VIDEO) 1/2 jacks on the player to the TV's video input jacks, and connect the LINE OUT L/R (AUDIO) 1/2 jacks to the TV's audio input jack.

Step 4: Playing a Disc



1 Turn on the TV.

2 Press I/⏻ on the player.

3 Switch the input selector on your TV so that the signal from the player appears on the TV screen.

4 Press ⏏ on the player to open the disc tray.

5 Place the disc on the tray with the playback side facing down.

6 Press ▷.

The disc tray closes and the player begins playing the disc.

After step 6

Depending on the disc, a menu may be displayed on the TV screen. If so, select the item you want from the menu and play the DVD VIDEO (page 36) or VIDEO CD disc (page 38).

To stop playing

Press ■.

To remove the disc

Press ⏏.

To turn off the player

Press I/⏻. The player enters standby mode and the power indicator lights up in red.

Hooking Up the Player

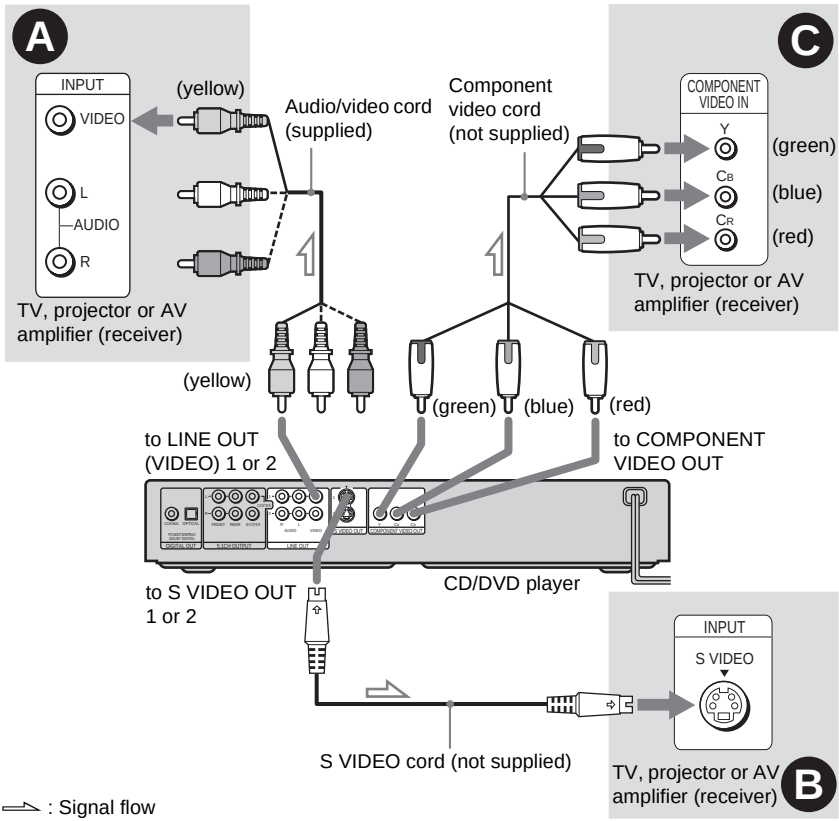
Follow steps 1 to 4 to hook up and adjust the settings of the player.
Before you start, disconnect the power cords (mains leads), check that you have all of the supplied accessories, and insert the batteries into the remote (page 15).

Notes

- Plug cords securely to prevent unwanted noise.
- Refer to the instructions supplied with the components to be connected.

Step 1: Connecting the Video Cords

Connect this player to your TV monitor, projector, or AV amplifier (receiver) using a video cord. Select one of the patterns A through C, according to the input jack on your TV monitor, projector, or AV amplifier (receiver).



: Signal flow

Ⓐ If you are connecting to a video input jack

Connect the yellow plug of the audio/video cord (supplied) to the yellow (video) jacks. You will enjoy standard quality images.

Use the red and white plugs to connect to the audio input jacks (page 22). (Do this if you are connecting to a TV only.)

Ⓑ If you are connecting to an S VIDEO input jack

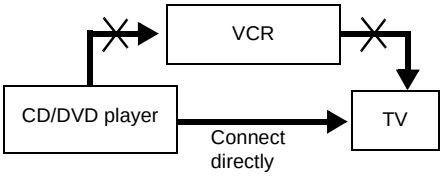
Connect an S VIDEO cord (not supplied). You will enjoy high quality images.

Ⓒ If you are connecting to a monitor, projector, or AV amplifier (receiver) having component video input jacks (Y, CB, CR)

Connect the component via the COMPONENT VIDEO OUT jacks using a component video cord (not supplied) or three video cords (not supplied) of the same kind and length. You will enjoy accurate colour reproduction and high quality images.

Notes

- You can switch the player's colour system to match the colour system of the connected TV (page 16).
- Do not connect a VCR, etc. between your TV and the player. If you pass the player signals via the VCR, you may not receive a clear image on the TV screen. If your TV has only one audio/video input jack, connect the player to this jack.

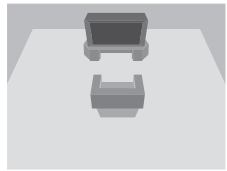
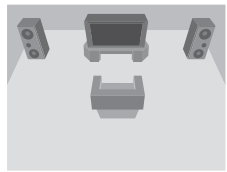
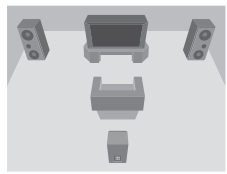
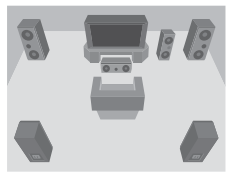


Step 2: Connecting the Audio Cords

Refer to the chart below to select the connection that best suits your system. Be sure to also read the instructions for the components you wish to connect.

Select a connection

Select one of the following connections, A through D.

Components to be connected	Connection	Your setup (example)
TV • Surround effects: TVS DYNAMIC (page 55), TVS WIDE (page 55)	A (page 22)	
Stereo amplifier (receiver) and two speakers • Surround effects: TVS STANDARD (page 56) or **MD deck/DAT deck** • Surround effects: TVS STANDARD (page 56)	B (page 23)	
AV amplifier (receiver) having a Dolby* Surround (Pro Logic) decoder and 3 to 6 speakers • Surround effects: Dolby Surround (Pro Logic) (page 83)	C (page 24)	
AV amplifier (receiver) with 5.1 ch input jacks and 4 to 6 speakers • Surround effects: – Dolby Digital (5.1 ch) (page 83) – DTS (5.1 ch) (page 83) – Super Audio CD Multi channel (page 84) – MPEG audio (5.1 ch) (page 84) or **AV amplifier (receiver) with digital input jacks having a Dolby, DTS**, or MPEG audio decoder and 6 speakers** • Surround effects: – Dolby Digital (5.1 ch) (page 83) – DTS (5.1 ch) (page 83) – MPEG audio (5.1 ch) (page 84)	D (page 25)	

Hint

If you connect an AV amplifier (receiver) that conforms to the 96 kHz sampling frequency, use connection D.

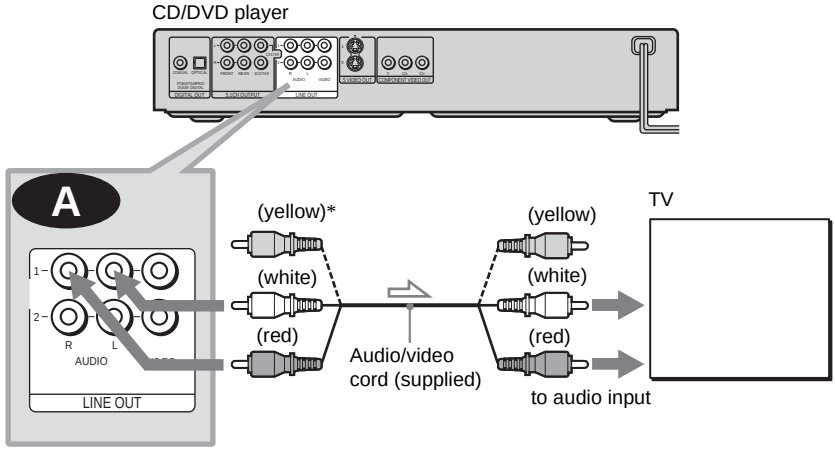
* Manufactured under license from Dolby Laboratories. “Dolby,” “Pro Logic,” and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license from Digital Theater Systems, Inc. US Pat. No. 5,451,942, 5,956,674, 5,974,380, 5,978,762 and other world-wide patents issues and pending. “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc. Copyright 1996, 2000 Digital Theater Systems, Inc. All rights reserved.

➡*continued*

A Connecting to your TV

This connection will use your TV speakers for sound.



to LINE OUT L/R (AUDIO) 1 or 2

: Signal flow

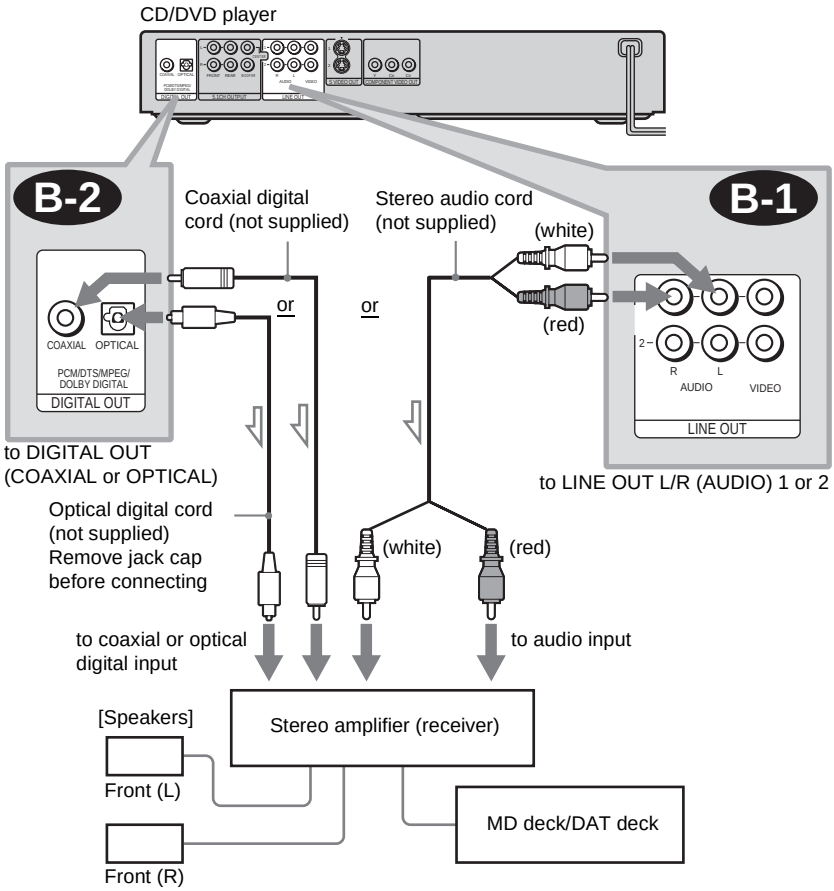
* The yellow plug is used for video signals (page 18).

Hint

When connecting to a monaural TV, use a stereo-mono conversion cord (not supplied). Connect the LINE OUT L/R (AUDIO) 1/2 jacks to the TV's audio input jack.

B Connecting to a stereo amplifier (receiver) and 2 speakers/Connecting to an MD deck or DAT deck

If the stereo amplifier (receiver) has audio input jacks L and R only, use B-1. If the amplifier (receiver) has a digital input jack, or when connecting to an MD deck or DAT deck, use B-2. In this case, you can also connect the player directly to the MD deck or DAT deck without using your stereo amplifier (receiver).



: Signal flow

Hints

- In connection B-1, you can use the supplied audio/video cord instead of using a separate stereo audio cord.
- To realize better surround sound effects, make sure that your listening position is in between your speakers.

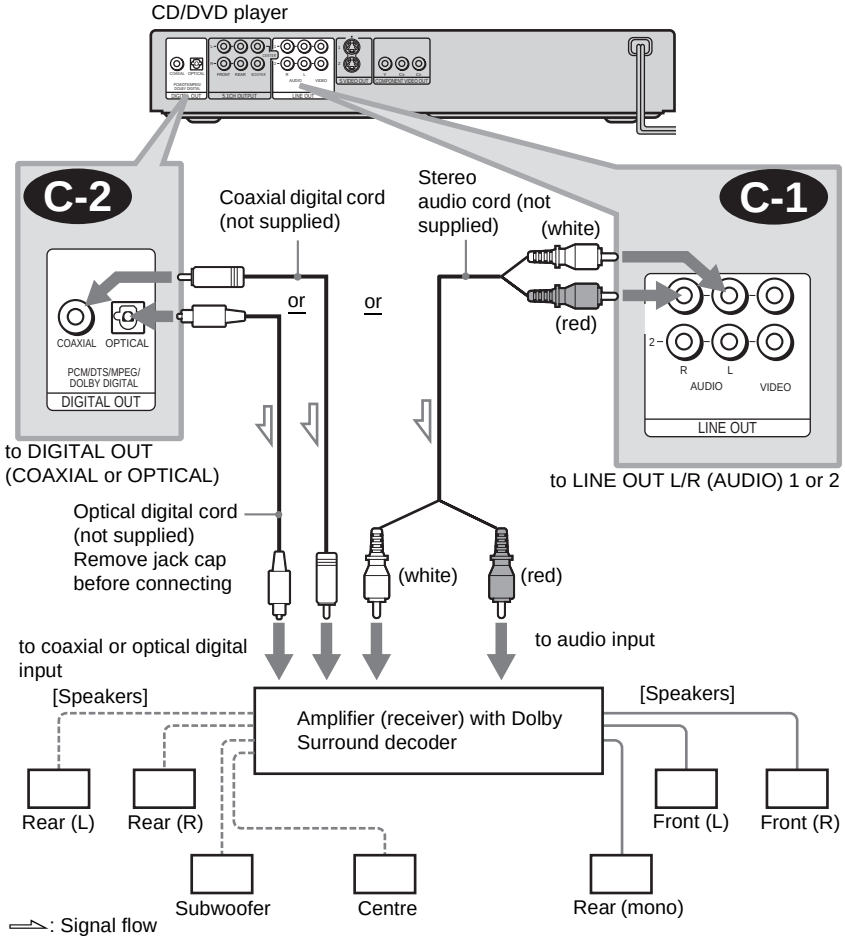
Note

Super Audio CD audio signals are not output from the digital jack.

➡continued

C Connecting to an AV amplifier (receiver) having a Dolby Surround (Pro Logic) decoder and 3 to 6 speakers

You can enjoy the Dolby Surround effects only when playing Dolby Surround audio or multi-channel audio (Dolby Digital) discs.
If your amplifier (receiver) has L and R audio input jacks only, use C-1. If your amplifier (receiver) has a digital input jack, use C-2.



Hint

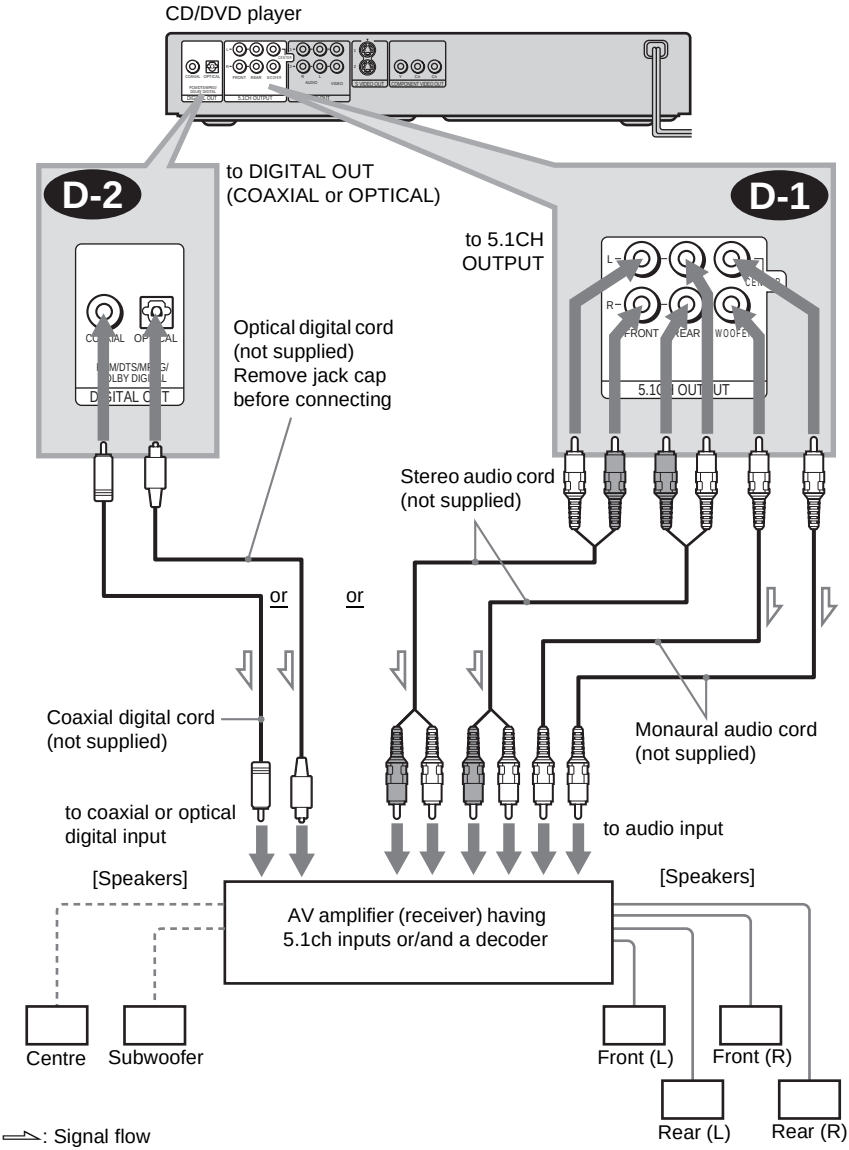
For correct speaker location, refer to the operating instructions of the amplifier (receiver).

Notes

- When connecting 6 speakers, replace the monaural rear speaker with a centre speaker, 2 rear speakers and a subwoofer.
- Super Audio CD audio signals are not output from the digital jack.

D Connecting to an AV amplifier (receiver) with 5.1 ch input jacks and/or a digital input jack and 4 to 6 speakers

If your AV amplifier (receiver) has 5.1 channel inputs, use D-1.
If you want to use the Dolby Digital, MPEG audio, or DTS decoder function on your AV amplifier (receiver), connect to its digital jack using D-2. With the following connections, you can enjoy a more realistic audio presence in the comfort of your own home.



➡continued

D-1 : Connecting to the 5.1ch input jacks

You can enjoy 5.1ch surround sound using the internal Dolby Digital, MPEG audio, DTS, or Super Audio CD Multi decoder of this player. (When 6 speakers are connected, set “SURROUND” to “OFF.”)
You can also enjoy Dolby Surround (Pro Logic) sounds, or surround sounds using various “SURROUND” modes (page 55).

D-2 : Connecting to a digital jack

This connection will allow you to use the Dolby Digital, MPEG audio, or DTS decoder function of your AV amplifier (receiver). You are not able to enjoy the surround sound effects of this player.

Hints

- **For connection D-2**
  For correct speaker location, refer to the operating instructions of the connected components.
- To enhance the sound performance:

– Use high-performance speakers.
– Use front, rear, and centre speakers of the same size and performance.
– Place the subwoofer between the left and right front speakers.

Notes

For connection D-2

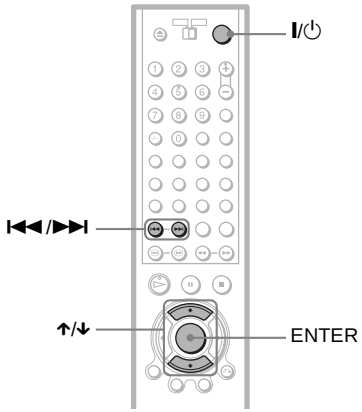
- After you have completed the connection, be sure to set “DOLBY DIGITAL” to “DOLBY DIGITAL” and “DTS” to “DTS” in Quick Setup (page 27). If your AV amplifier (receiver) has an MPEG audio decoder function, set “MPEG” in “AUDIO SETUP” to “MPEG” (page 76). Otherwise, no sound or a loud noise will come from the speakers.
- When you connect an amplifier (receiver) that conforms to the 96kHz sampling frequency, set “48kHz/96kHz PCM” in “AUDIO SETUP” to “96kHz/24bit” (page 76).
- Super Audio CD audio signals are not output from the digital jack.

Step 3: Connecting the Power Cord

Plug the player and TV power cord (mains lead) into an AC outlet (mains).

Step 4: Quick Setup

Follow the steps below to make the minimum number of basic adjustments for using the player. To skip an adjustment, press ▶▶I. To return to the previous adjustment, press I◀◀.



1 **Turn on the TV.**

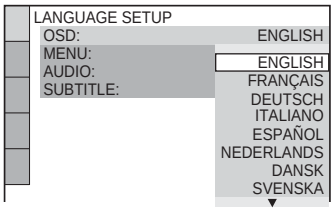
2 **Press I/⏻.**

3 **Switch the input selector on your TV so that the signal from the player appears on the TV screen.**

"Press [ENTER] to run QUICK SETUP" appears at the bottom of the screen. If this message does not appear, select "QUICK" under "SETUP" in the Control Menu to run Quick Setup (page 71).

4 **Press ENTER without inserting a disc.**

The Setup Display for selecting the language used in the on-screen display appears.
The available languages differ depending upon the player model.



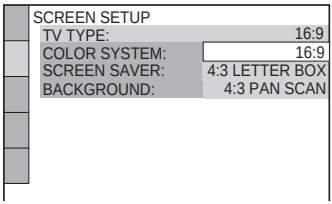
5 **Press ↑/↓ to select a language.**

The player uses the language selected here to display the menu and subtitles as well.

6 **Press ENTER.**

The Setup Display for selecting the aspect ratio of the TV to be connected appears.

➡*continued*



7 Press ↑/↓ to select the setting that matches your TV type.

◆ If you have a wide-screen TV or a 4:3 standard TV with a wide-screen mode

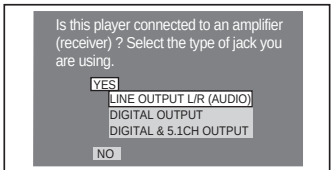
• 16:9 (page 72)

◆ If you have a 4:3 standard TV

• 4:3 LETTER BOX or 4:3 PAN SCAN (page 72)

8 Press ENTER.

The Setup Display for selecting the type of jack used to connect your amplifier (receiver) appears.


Is this player connected to an amplifier (receiver) ? Select the type of jack you are using.
YES
LINE OUTPUT L/R (AUDIO)
DIGITAL OUTPUT
DIGITAL & 5.1CH OUTPUT
NO

9 Press ↑/↓ to select the type of jack (if any) you are using to connect to an amplifier (receiver), then press ENTER.

Choose the item that matches the audio connection you selected on pages 22 to 25 (A through D).

A

• If you connect just a TV and nothing else, select "NO." Quick Setup is finished and connections are complete.

B-1 C-1

• Select "LINE OUTPUT L/R (AUDIO)." Quick Setup is finished and connections are complete.

B-2 C-2 D-2

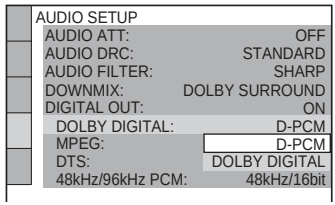
• Select "DIGITAL OUTPUT." The Setup Display for "DOLBY DIGITAL" appears.

D-1 or both D-1 and D-2

• Select "DIGITAL & 5.1CH OUTPUT." The Setup Display for "DOLBY DIGITAL"appears.

10 Press ↑/↓ to select the type of Dolby Digital signal you wish to send to your amplifier (receiver).

Choose the signal that matches the audio connection you selected on pages 23 to 25 (B through D).



B-2 C-2

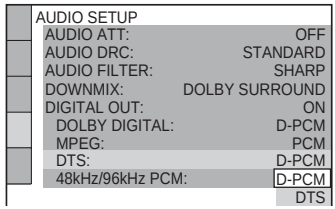
• D-PCM (page 76)

D-2

• DOLBY DIGITAL (only if the amplifier (receiver) has a Dolby Digital decoder) (page 76)

11 Press ENTER.

"DTS" is selected.



12 Press ↑/↓ to select the type of DTS signal sent to your amplifier (receiver).

Choose the item that matches the audio connection you selected on pages 23 to 25 (B through D).

B-2 C-2

• D-PCM (page 76)

D-2

• DTS (page 76)

13 Press ENTER.

◆ When "DIGITAL OUTPUT" is selected in Step 9

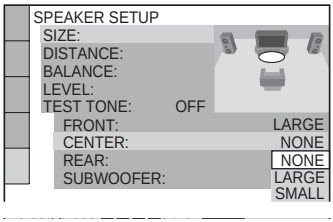
- Quick Setup is finished and connections are complete.
- If your AV amplifier (receiver) has an MPEG audio decoder, set "MPEG" to "MPEG" (page 76).

◆ When "DIGITAL & 5.1CH OUTPUT" is selected in Step 9

- The Setup Display for "SPEAKER SETUP" appears.

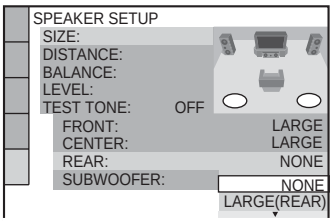
14 Press ↑/↓ to select the size of the centre speaker.

If no centre speaker is connected, select "NONE" (page 77).



15 Press ENTER.

"REAR" is selected.

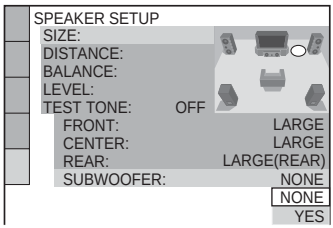


16 Press ↑/↓ to select the size of the rear speakers.

If no rear speaker is connected, select "NONE."
"SIDE" and "REAR" refer to the speaker position relative to your listening position (page 77).

17 Press ENTER.

"SUBWOOFER" is selected.



18 Press ↑/↓ to select whether or not you have connected a subwoofer.

19 Press ENTER.

Quick Setup is finished. All connections and setup operations are complete.

Enjoying the surround sound effects

To enjoy the surround sound effects of this player or your amplifier (receiver), set the following items as described below for the audio connection you selected on pages 23 to 25 (B through D). Each of these is the default setting and does not need to be adjusted when you first connect the player. Refer to page 70 for using the Setup Display.

Audio Connection (pages 22 to 25)

A

- No additional settings are needed.

B-1 C-1

- Set "DOWNMIX" to "DOLBY SURROUND" (page 75).
- If the sound distorts even when the volume is turned down, set "AUDIO ATT" to "ON" (page 75).

B-2 C-2 D-2

- Set "DOWNMIX" to "DOLBY SURROUND" (page 75).
- Set "DIGITAL OUT" to "ON" (page 75).
- Set "48kHz/96kHz PCM" to "96kHz/24bit," only if you connect an amplifier (receiver) that conforms to the 96 kHz sampling frequency (page 76).

➡continued

D-1

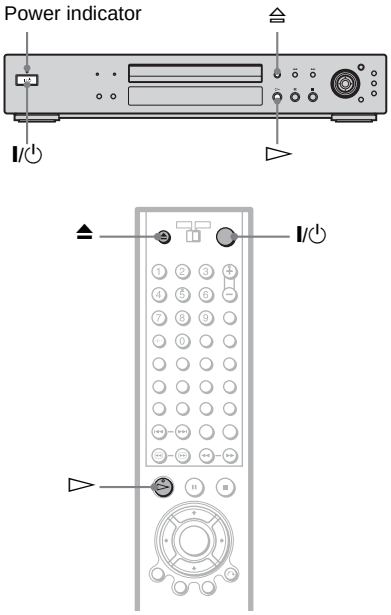
- Set “DISTANCE,” “BALANCE,” and “LEVEL” according to the connected speakers (page 78).
- If the sound distorts even when the volume is turned down, set “AUDIO ATT” to “ON” (page 75).

Playing Discs DVD-V

DVD-RW VCD SA-CD CD

DATA CD

Depending on the DVD or VIDEO CD, some operations may be different or restricted. Refer to the operating instructions supplied with your disc.



1 Turn on your TV.

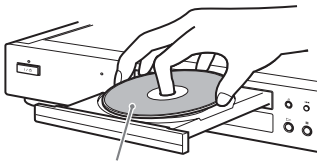
2 Press I/⏻.

The player turns on and the power indicator lights up in green.

3 Switch the input selector on your TV so that the signal from the player appears on the TV screen.

◆ **When using an amplifier (receiver)**
Turn on the amplifier (receiver) and select the appropriate channel so that you can hear sound from the player.

4 Press ⏏ on the player, and place a disc on the disc tray.



With the playback side facing down

5 Press ▷.

The disc tray closes, and the player starts playback (continuous play). Adjust the volume on the TV or the amplifier (receiver).
Depending on the disc, a menu may appear on the TV screen. For DVD VIDEOs, see page 36. For VIDEO CDs, see page 38.

To turn off the player

Press I/⏻. The player enters standby mode.

Hint

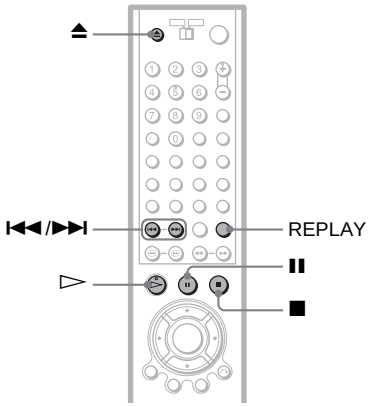
The player will turn off automatically whenever you leave it in stop mode for more than 30 minutes (Auto Power off function).

Note

Super Audio CD audio signals are not output from the digital jack.

➡continued

Additional operations



To	Operation
Stop	Press ■
Pause	Press ❚❚
Resume play after pause	Press ❚❚ or ▷
Go to the next chapter, track, or scene in continuous play mode	Press ⏭
Go back to the previous chapter, track, or scene in continuous play mode	Press ⏮
Stop play and remove the disc	Press ⏏
Replay the previous scene (DVD VIDEO only)	Press REPLAY

Hint

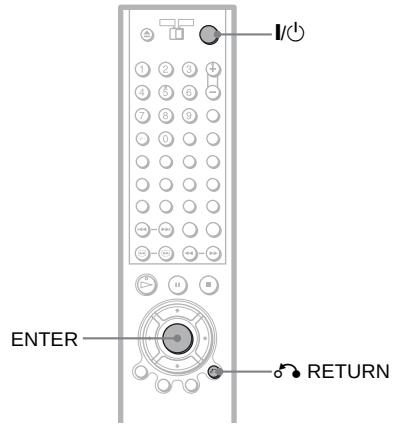
The Replay function is useful when you want to review a scene or dialog that you missed.

Note

You may not be able to use the Replay function with some scenes.

Locking the disc tray (Child Lock)

You can lock the disc tray to prevent children from opening it.



When the player is in standby mode, press RETURN, ENTER, and then I/⏻ on the remote.

The player turns on and "LOCKED" appears on the front panel display.

The ⏏ button on the player or the remote does not work while the Child Lock is set.

To unlock the disc tray

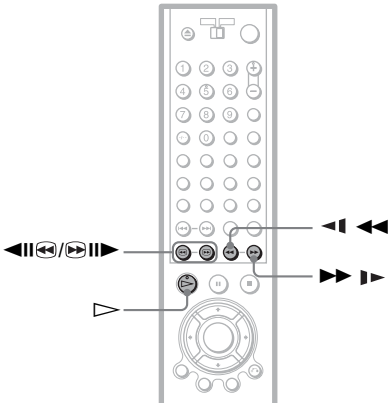
When the player is in standby mode, press RETURN, ENTER, and then I/⏻ again.

Note

Even if you select "RESET" under "SETUP" in the Control Menu (page 71), the disc tray remains locked.

Searching for a Particular Point on a Disc (Search, Scan, Slow-motion Play, Freeze Frame)

You can quickly locate a particular point on a disc by monitoring the picture or playing back slowly.



Note

Depending on the DVD/VIDEO CD, you may not be able to do some of the operations described.

Locating a point quickly (Search)

DVD-V DVD-RW VCD SA-CD CD DATA CD

During playback, keep pressing ▶▶II▶ to locate a point in the playback direction or keep pressing ◀II◀◀ to locate a point in the opposite direction. When you find the point you want, release the button to return to normal playback speed.

Locating a point quickly by playing a disc in fast forward or fast reverse (Scan) DVD-V DVD-RW VCD SA-CD CD DATA CD

Press ◀ ◀◀ or ▶▶ ▶ while playing a disc. When you find the point you want, press ▷ to return to normal speed. Each time you press ◀ ◀◀ or ▶▶ ▶ during scan, the playback speed changes. Three speeds are available. With each press the indication changes as follows:

Playback direction

×2▶ (DVD VIDEO/Super Audio CD/CD only)

2▶▶ ← 1▶▶

Opposite direction

×2◀ (DVD VIDEO only) → 1◀◀ → 2◀◀

The "×2▶"/"×2◀" playback speed is about twice the normal speed. The "2▶▶"/"2◀◀" playback speed is faster than "1▶▶"/"1◀◀."

Watching frame by frame (Slow-motion Play) DVD-V DVD-RW VCD

Press ◀ ◀◀ or ▶▶ ▶ when the player is in pause mode. To return to the normal speed, press ▷.
Each time you press ◀ ◀◀ or ▶▶ ▶ during Slow-motion play, the playback speed changes. Two speeds are available. With each press the indication changes as follows:

Playback direction

2 ▶ ↔ 1 ▶

Opposite direction (DVD only)

2 ◀ ↔ 1 ◀

The "2 ▶"/"2 ◀" playback speed is slower than "1 ▶"/"1 ◀."

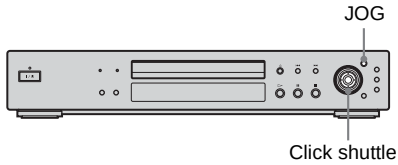
Playing one frame at a time (Freeze Frame) DVD-V DVD-RW VCD

When the player is in the pause mode, press ▶▶II▶ to go to the next frame. Press ◀II◀◀ to go to the preceding frame (DVD only). If you hold the button down, you can view the frames in succession. To return to normal playback, press ▷.

➡continued

Using the click shuttle on the player (Shuttle mode)

DVD-V DVD-RW VCD SA-CD CD DATA CD



Turn the click shuttle on the player. The playback speed changes depending on the turning direction and degree of rotation as follows:

◆During playback

2►► Fast forward (faster than 1►►)
↕
1►► Fast forward
↕
×2► (DVD VIDEO/Super Audio CD/ CD only)
↕
► Play (normal speed)
↕
×2◄ (DVD VIDEO only)
↕
1◄◄ Fast rewind
↕
2◄◄ Fast rewind (faster than 1◄◄)

If you turn the click shuttle quickly, the playback speed goes to "2►►" or "2◄◄" at once.

◆During pause mode (DVD VIDEO, DVD-RW, VIDEO CD only)

1▮► Slow (playback direction)
↕
2▮► Slow (playback direction – slower than 1▮►)
↕
▮▮ Pause
↕
2◄▮ Slow (opposite direction – slower than 1◄▮) (DVD only)
↕
1◄▮ Slow (opposite direction) (DVD only)

To return to Continuous Play

Press ▷.

Playing a disc frame by frame using the click shuttle (Jog mode) DVD-V DVD-RW VCD

1 Press JOG.

The indicator lights up and the player enters pause mode.

2 Turn the click shuttle.

Depending on the turning speed, playback goes to frame-by-frame playback in the direction that the click shuttle is turned. Turn the click shuttle clockwise to go forward, and counterclockwise to rewind (DVD only). If you turn the click shuttle at a constant speed for a while, the playback speed goes to slow or normal.

To return to normal playback

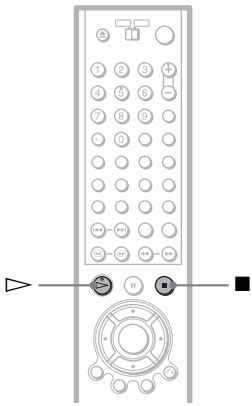
Press ▷.

To turn off the Jog mode

Press JOG again so that the indicator turns off.

Resuming Playback From the Point Where You Stopped the Disc (Multi-disc Resume) DVD-V VCD

The player stores the point where you stopped the disc for up to 40 discs and resumes playback the next time you insert the same disc. When you store a resume playback point for the 41st disc, the resume playback point for the first disc is deleted.



1 While playing a disc, press ■ to stop playback.

"RESUME" appears on the front panel display.

2 Press ▷.

The player starts playback from the point where you stopped the disc in step 1.

Hints

- To play from the beginning of the disc, press ■ twice, then press ▷.
- For DVD-RWs in VR mode, CDs, Super Audio CDs, and DATA CDs, the player remembers the resume playback point for the current disc unless the disc tray is opened, the AC power cord (mains lead) is disconnected, or only for DATA CDs, the player enters standby mode.

Notes

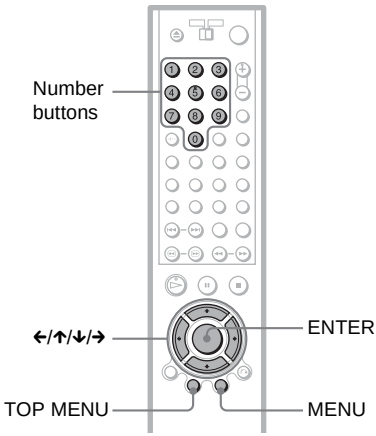
- "MULTI-DISC RESUME" in "CUSTOM SETUP" must be set to "ON" (default) for this function to work (page 74).
- The resume playback point for the current disc is cleared when:

– you change the play mode.
– you change the settings on the Setup Display.

- Resume Play does not work during Shuffle Play and Programme Play.
- This function may not work with some discs.

Using the DVD's Menu DVD-V

A DVD is divided into long sections of a picture or a music feature called "titles." When you play a DVD which contains several titles, you can select the title you want using the TOP MENU button.
When you play DVDs that allow you to select items such as the language for the subtitles and the language for the sound, select these items using the MENU button.



1 Press TOP MENU or MENU.

The disc's menu appears on the TV screen.
The contents of the menu vary from disc to disc.

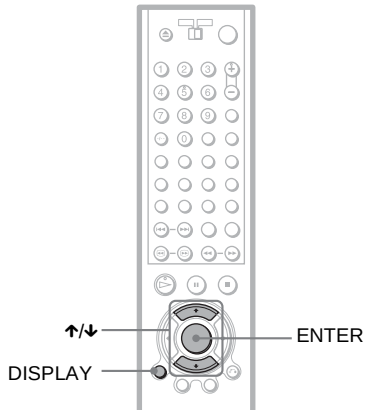
2 Press ←/↑/↓/→ or the number buttons to select the item you want to play or change.

3 Press ENTER.

Hint
The disc's menu also appears when the TOP MENU or MENU button on the player is pressed.

Selecting "ORIGINAL" or "PLAY LIST" on a DVD-RW Disc DVD-RW

Some DVD-RW discs in VR (Video Recording) mode have two types of titles for playback: originally recorded titles (ORIGINAL) and titles that can be created on recordable DVD players for editing (PLAY LIST). You can select the type of titles to be played.

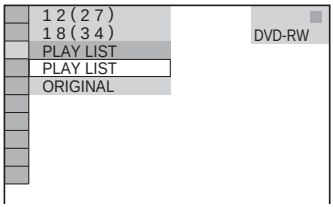


1 Press DISPLAY in stop mode.

The Control Menu appears.

2 Press ↑/↓ to select (ORIGINAL/PLAY LIST), then press ENTER.

The options for "ORIGINAL/PLAY LIST" appear.



3 **Press ↑/↓ to select the setting.**

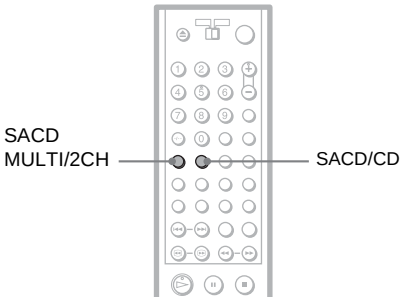
- PLAY LIST: plays the titles created from “ORIGINAL” for editing.
- ORIGINAL: plays the titles originally recorded.

4 **Press ENTER.**

To turn off the Control Menu

Press DISPLAY repeatedly until the Control Menu is turned off.

Selecting a Playback Area for a Super Audio CD Disc SA-CD

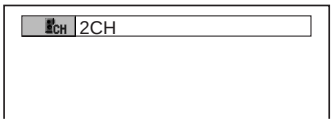


Selecting a playback area on a 2 channel + Multi-channel Super Audio CD

Some Super Audio CDs consist of a 2 channel playback area and a multi-channel playback area. You can select the playback area you want to listen to.

1 **Press SACD MULTI/2CH in stop mode.**

The following display appears.



2 **Press SACD MULTI/2CH repeatedly to select the item.**

- MULTI: plays a multi-channel playback area.
- 2CH: plays a 2 channel playback area.

The “MULTI” indicator in the front panel display lights up when playing a multi-channel playback area.

Hint

You can also select “MULTI/2CH” from the Control Menu (page 12).

Selecting a playback layer when playing a hybrid Super Audio CD

Some Super Audio CDs consist of an HD layer and a CD layer. You can select the playback layer you want to listen to.

Press SACD/CD in stop mode.

Each time you press the button, an HD layer or a CD layer is alternately selected. When playing a CD layer, the "CD" indicator in the front panel display lights up.

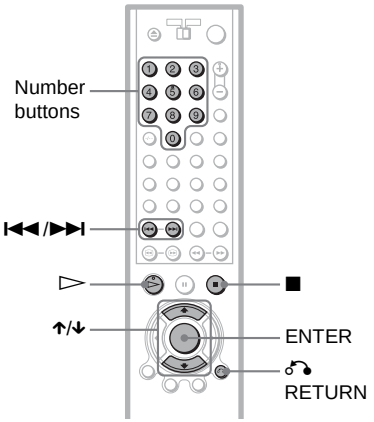
Notes

- For details about Super Audio CD discs, see page 84.
- Each play mode function works only within the selected layer or playback area.

Playing VIDEO CDs With PBC Functions (PBC Playback)

VCD

PBC (Playback Control) allows you to play VIDEO CDs interactively by following the menu on the TV screen.



1 Start playing a VIDEO CD with PBC functions.

The menu for your selection appears.

2 Select the item number you want by pressing ↑/↓ or the number buttons.

3 Press ENTER.

4 Follow the instructions in the menu for interactive operations.

Refer to the instructions supplied with the disc, as the operating procedure may differ depending on the VIDEO CD.

To return to the menu

Press ↩ RETURN.

Hint

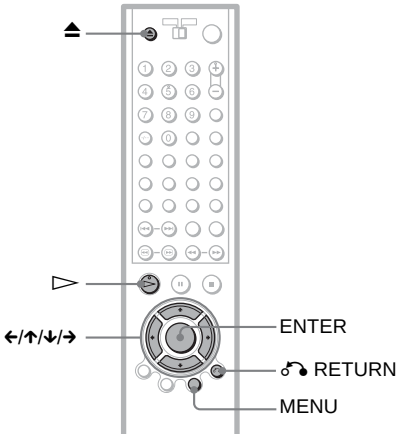
To play without using PBC, press ⏮/⏭ or the number buttons while the player is stopped to select a track, then press ▷ or ENTER.
"Play without PBC" appears on the TV screen and the player starts continuous play. You cannot play still pictures such as a menu.
To return to PBC playback, press ■ twice then press ▷.

Notes

- Depending on the VIDEO CD, "Press ENTER" in step 3 may appear as "Press SELECT" in the instructions supplied with the disc. In this case, press ▷.
- The PBC functions of Super VCDs do not work with this player. Super VCDs are played in continuous play mode only.

Playing an MP3 Audio Track DATA CD

You can play back DATA CDs (CD-ROMs/CD-Rs/CD-RWs) recorded in MP3 (MPEG1 Audio Layer 3) format.



1 Press ⏏ and place a DATA CD on the disc tray.

2 Press ▷.

The disc tray closes, and the player starts to play the first MP3 audio track in the first album on the disc.

Notes

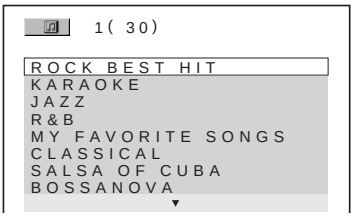
- The player can play MP3 audio tracks recorded in the following sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz.
- The playback order may be different from the edited order. See "The Playback order of MP3 audio tracks" below for details.

Selecting an album and track

1 Press MENU.

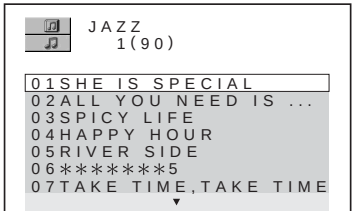
The list of MP3 albums recorded on the DATA CD appears.

➡continued



2 Select an album using ↑/↓ and press ENTER.

The list of tracks contained in the album appears.



3 Select a track using ↑/↓ and press ENTER.

The selected track starts playing.
When a track or album is being played, its title is shaded.

To go to the next or previous page

Press → or ←.

To return to the previous display

Press ↩ RETURN.

To turn off the display

Press MENU.

Notes

- Only the letters in the alphabet and numbers can be used for album or track names. Anything else is displayed as "∗."
- ID3 tags cannot be displayed.

About MP3 audio tracks

You can play MP3 audio tracks on CD-ROMs, CD-Rs, or CD-RWs. However, the discs must be recorded according to ISO9660 level 1, level 2, or Joliet format for the player to recognize the tracks.
You can also play discs recorded in Multi Session.

See the instructions of the CD-R/RW device or recording software (not supplied) for details on the recording format.

To play a Multi Session CD

This player can play Multi Session CDs when an MP3 audio track is located in the first session. Any subsequent MP3 audio tracks, recorded in the later sessions, can also be played back.
When audio tracks and images in music CD format or video CD format are recorded in the first session, only the first session will be played back.

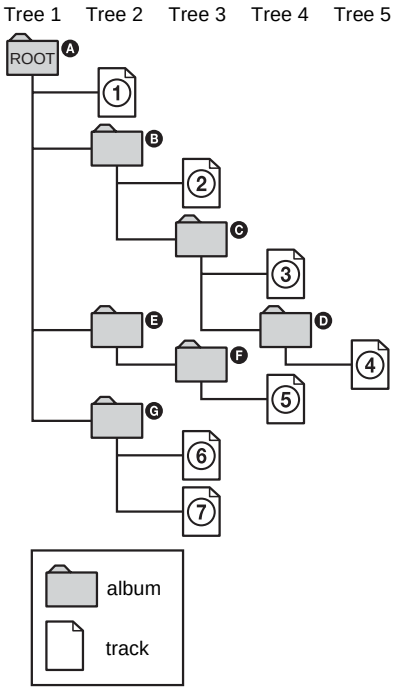
Notes

- If you put the extension ".MP3" to data not in MP3 format, the player cannot recognize the data properly and will generate a loud noise which could damage your speaker system.
- The player cannot play audio tracks in MP3PRO format.

The Playback order of MP3 audio tracks

The playback order of albums and tracks recorded on a DATA CD is as follows.

◆Structure of disc contents



When you insert a DATA CD and press ▷, the numbered tracks are played sequentially, from ① through ⑦. Any sub-albums/tracks contained within a currently selected album take priority over the next album in the same tree. (Example: Ⓒ contains Ⓓ so ④ is played before ⑤.)
When you press MENU and the list of MP3 albums appears (page 39), the albums are arranged in the following order: Ⓐ → Ⓑ → Ⓒ → Ⓓ → Ⓕ → Ⓖ. Albums that do not contain tracks (such as album Ⓔ) do not appear in the list.

Hints

- If you add numbers (01, 02, 03, etc.) to the front of the track file names, the tracks will be played in that order.
- Since a disc with many trees takes longer to start playback, it is recommended that you create albums of no more than two trees.

Notes

- Depending on the software you use to create the DATA CD, the playback order may differ from the illustration above.
- The playback order above may not be applicable if there are more than a total of 999 albums and tracks in the DATA CD.
- The player can recognize up to 499 albums (the player will count just albums, including albums that do not contain MP3 audio tracks). The player will not play any albums beyond the first 499 albums. Of the first 499 albums, the player will play no more than a combined total of 999 albums and tracks.

Various Play Mode Functions (Programme Play, Shuffle Play, Repeat Play, A-B Repeat Play)

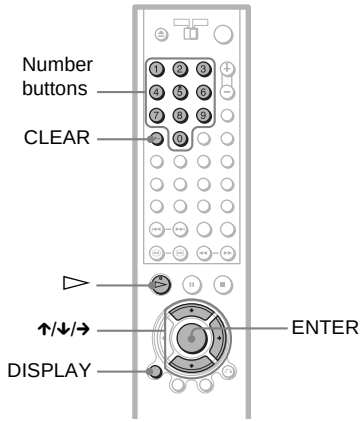
You can set the following play modes:
- Programme Play (page 41)
- Shuffle Play (page 43)
- Repeat Play (page 44)
- A-B Repeat Play (page 44)

Note

The play mode is cancelled when:
– you open the disc tray.
– the player enters standby mode by pressing I/⏻.

Creating your own programme (Programme Play) DVD-V VCD SA-CD CD

You can play the contents of a disc in the order you want by arranging the order of the titles, chapters, or tracks on the disc to create your own programme. You can programme up to 99 titles, chapters, and tracks.



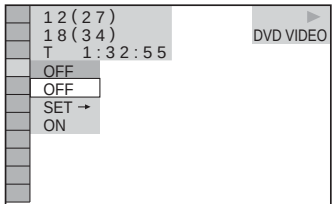
➡continued

1 Press DISPLAY twice (when playing a Super Audio CD/CD, press once).

The Control Menu appears.

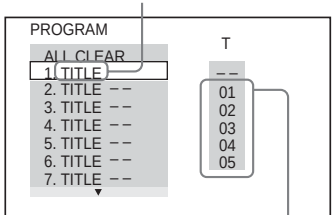
2 Press ↑/↓ to select (PROGRAM), then press ENTER.

The options for "PROGRAM" appear.



3 Press ↑/↓ to select "SET →," then press ENTER.

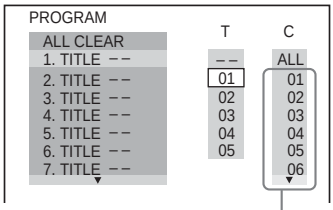
"TRACK" is displayed when you play a VIDEO CD, Super Audio CD, or CD.



Titles or tracks recorded on a disc

4 Press →.

The cursor moves to the title or track row "T" (in this case, "01").



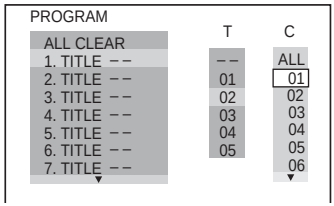
Chapters recorded on a disc

5 Select the title, chapter, or track you want to programme.

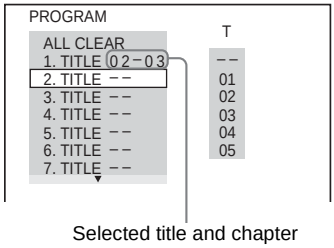
◆ When playing a DVD VIDEO

For example, select chapter "03" of title "02."

Press ↑/↓ or the number buttons to select "02" under "T," then press ENTER.



Next, press ↑/↓ or the number buttons to select "03" under "C," then press ENTER.



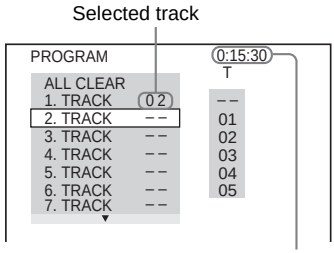
Selected title and chapter

◆ When playing a VIDEO CD, Super Audio CD, or CD

For example, select track "02."

Press ↑/↓ or the number buttons to select "02" under "T," then press ENTER.

A track number may be displayed in 3 digits for a Super Audio CD.



Total time of the programmed tracks

6 To programme other titles, chapters, or tracks, repeat steps 4 to 5.

The programmed titles, chapters, and tracks are displayed in the selected order.

7 Press ▷ to start Programme Play.

Programme Play begins.

When the programme ends, you can restart the same programme again by pressing ▷.

To return to normal play

Press CLEAR, or select “OFF” in step 3. To play the same programme again, select “ON” in step 3 and press ENTER.

To turn off the display

Press DISPLAY repeatedly until the display is turned off.

To change or cancel a programme

1. Follow steps 1 through 3 of “Creating your own programme (Programme Play).”
2. Select the programme number of the title, chapter, or track you want to change or cancel using ↑/↓ or the number buttons, and press →.
3. Follow step 5 for new programming. To cancel a programme, select “--” under “T,” then press ENTER.

To cancel all the titles, chapters, or tracks in the programmed order

1. Follow steps 1 through 3 of “Creating your own programme (Programme Play).”
2. Press ↑ and select “ALL CLEAR.”
3. Press ENTER.

Hint

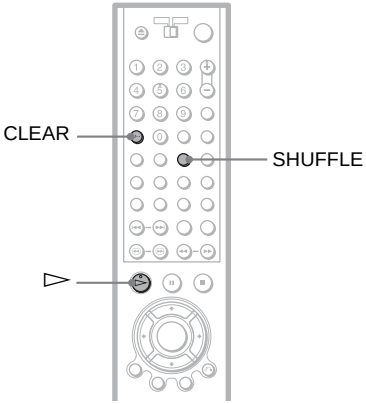
You can do Repeat Play or Shuffle Play of the programmed titles, chapters, or tracks. During Programme Play, follow the steps of “Repeat Play” (page 44) or “Shuffle Play” (page 43).

Note

When playing Super VCDs, the total time of the programmed tracks does not appear on the screen.

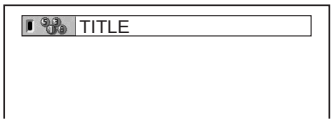
Playing in random order (Shuffle Play) DVD-V VCD SA-CD CD

You can have the player “shuffle” titles, chapters, or tracks. Subsequent “shuffling” may produce a different playing order.



1 Press SHUFFLE during playback.

The following display appears.



2 Press SHUFFLE repeatedly to select the item to be shuffled.

◆ When playing a DVD VIDEO

- TITLE
- CHAPTER

◆ When playing a VIDEO CD, Super Audio CD, or CD

- TRACK

◆ When Programme Play is activated

- ON: shuffles titles, chapters, or tracks selected in Programme Play.

To return to normal play

Press CLEAR, or select “OFF” in step 2.

Hints

- You can set Shuffle Play while the player is stopped. After selecting the “SHUFFLE” option, press ▷. Shuffle Play starts.

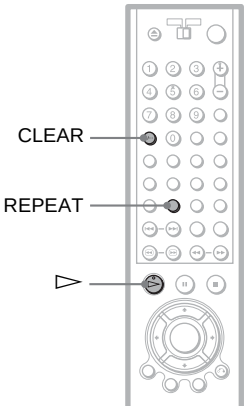
→continued

- Up to 200 chapters in a disc can be played in random order when “CHAPTER” is selected.
- You can also select “SHUFFLE” from the Control Menu (page 12).

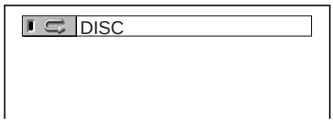
Playing repeatedly (Repeat Play)

DVD-V DVD-RW VCD SA-CD CD DATA CD

You can play all of the titles or tracks on a disc or a single title, chapter, or track repeatedly.
You can use a combination of Shuffle or Programme Play modes.



1 **Press REPEAT during playback.**
The following display appears.



2 **Press REPEAT repeatedly to select the item to be repeated.**

◆ When playing a DVD VIDEO
- DISC: repeats all of the titles.
- TITLE: repeats the current title on a disc.
- CHAPTER: repeats the current chapter.

◆ When playing a DVD-RW
- DISC: repeats all the titles of the selected type.
- TITLE: repeats the current title on a disc.
- CHAPTER: repeats the current chapter.

◆ When playing a VIDEO CD, Super Audio CD, or CD
- DISC: repeats all of the tracks.
- TRACK: repeats the current track.

◆ When playing a DATA CD (MP3 audio)
- DISC: repeats all of the albums.
- ALBUM: repeats the current album.
- TRACK: repeats the current track.

◆ When Programme Play or Shuffle Play is activated
- ON: repeats Programme Play or Shuffle Play.

To return to normal play

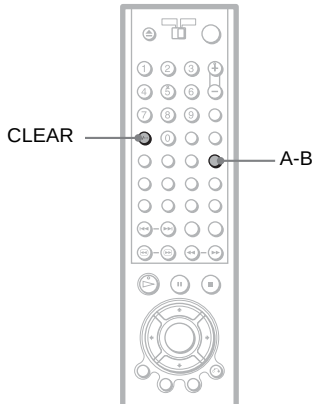
Press CLEAR, or select “OFF” in step 2.

Hints

- You can set Repeat Play while the player is stopped. After selecting the “REPEAT” option, press ▷. Repeat Play starts.
- You can also select “REPEAT” from the Control Menu (page 12).

Repeating a specific portion (A-B Repeat Play) DVD-V DVD-RW VCD SA-CD CD

You can play a specific portion of a title, chapter or track repeatedly. (This function is useful when you want to memorize lyrics, etc.)



1 **During playback, when you find the starting point (point A) of the portion to be played repeatedly, press A-B.**
The starting point (point A) is set.